

PATENT

**AMENDMENTS TO THE SPECIFICATION**

Please amend the paragraph that begins on page 7, line 9 as follows:

[1] ~~FIG. 7 is~~ FIG. 7 is an illustration of a parameter value table that is used by an automatic operating parameter setting control program in an implantable stimulation device to adjust refractory periods according to one embodiment of the invention; and

a1 [ Please amend the paragraph that begins on page 7, line 13, as follows: ]

[2] ~~FIG. 8 is~~ FIG. 8 is an illustration of a parameter value table that is used by an automatic operating parameter setting control program in an implantable stimulation device to adjust sensitivity settings according to one embodiment of the invention.

Please amend the paragraph that begins on page 27, line 20, as follows:

a2 [86] ~~FIG. 7 is~~ FIG. 7 is an illustration of a parameter value table that is used by implantable stimulation device 10 to adjust atrial and ventricular refractory periods in response to changes in the pulse output energy. In one illustrative embodiment, adjustments to the refractory period only begin after the pulse amplitude is set to a level equal to or greater than 4.25 volts. As the pulse amplitude increases above 4.25 volts, the refractory period increases as well. This type of table is also applicable for adjustments to the PVAB.

[ Please amend the paragraph that begins on page 27, line 28, as follows: ]

[87] ~~FIG. 8 is~~ FIG. 8 is an example of a parameter value table that is used by implantable stimulation device 10 to adjust sensitivity settings in response to changes in pulse output energy. In one embodiment, a sensitivity setting is adjusted based upon the pulse amplitude. This type of table is equally applicable to either atrial or ventricular chambers of the heart. As the pulse amplitude increases, the sensitivity level increases, thereby requiring the sensing of larger signals before device 10 will respond to the signal.